

SECOND TERM POLICY PRIORITIES:

*LOUISIANA'S CLIMATE INITIATIVES TASK FORCE &
ADAPTIVE GOVERNANCE INITIATIVE*



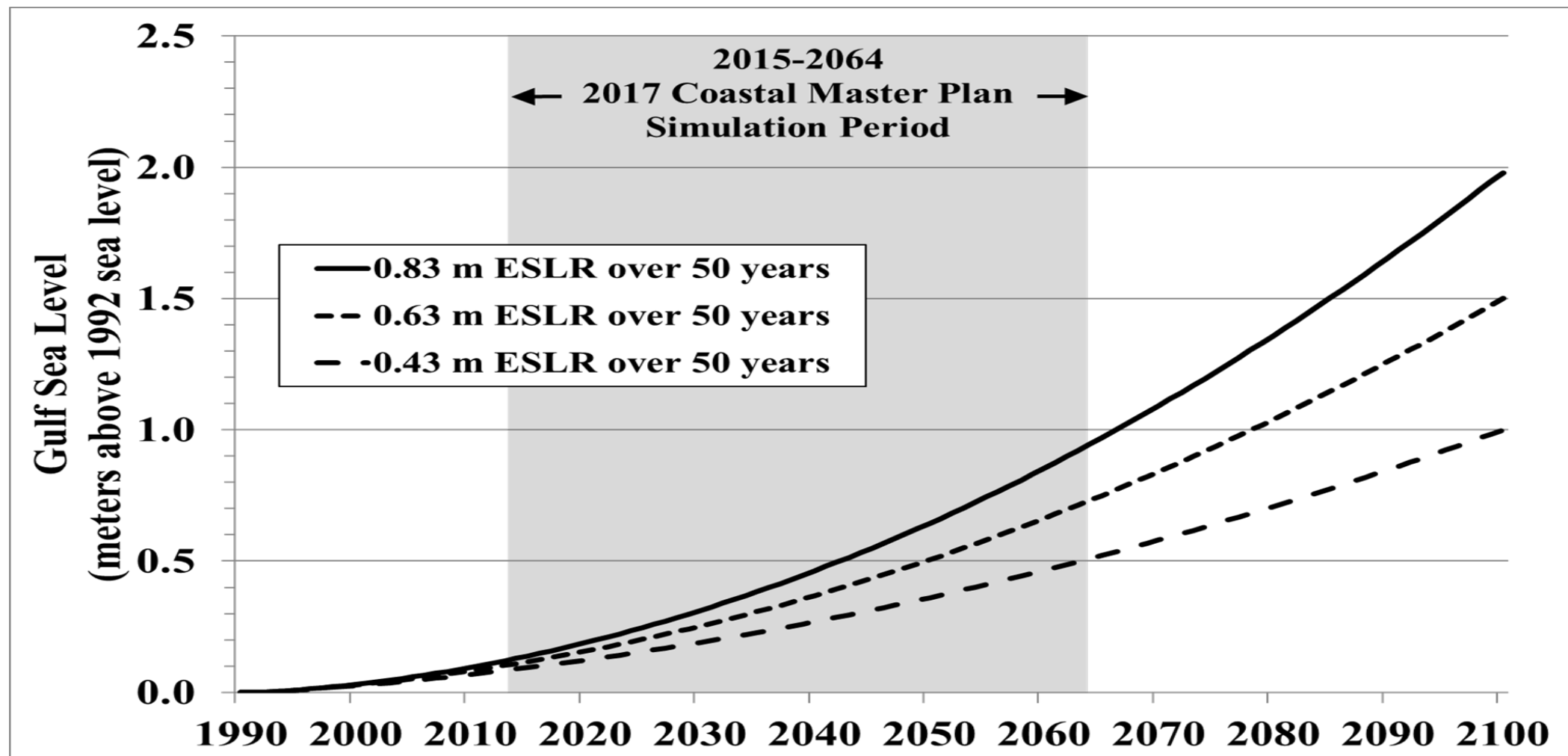
1. *Building Resilience and a Climate Initiatives Task Force*
2. More Integrated Approach to the Mississippi and Atchafalaya Rivers (Hypoxia, Atchafalaya Basin, and Lowermost Mississippi River Management)
3. Sustainable Oyster Industry
4. Growing, Diversifying, and protecting the economy through coastal investments and coordinated advocacy
5. Coastal Innovation and Collaboration Hub

OVERVIEW

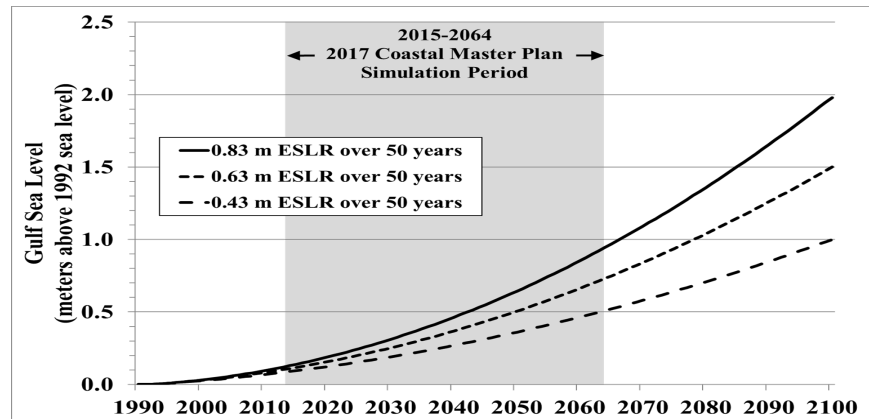
LOUISIANA'S CLIMATE CHANGE INITIATIVE

- I. MISSION & VISION
- II. DELIVERABLES
- III. STRUCTURE
- IV. COMPOSITION
- V. TIMELINE

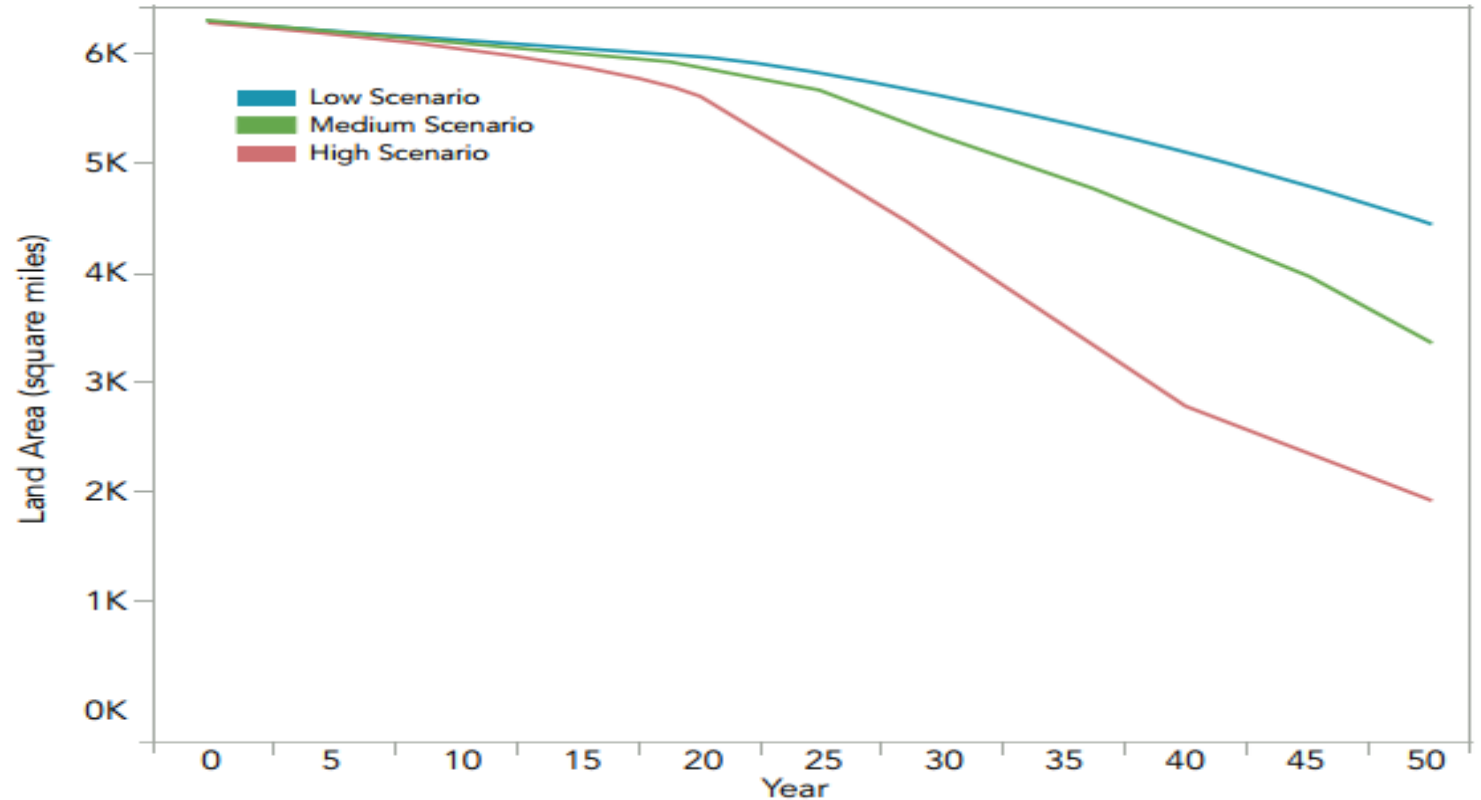
Projected Future Conditions



Projected Future Conditions—Land Loss

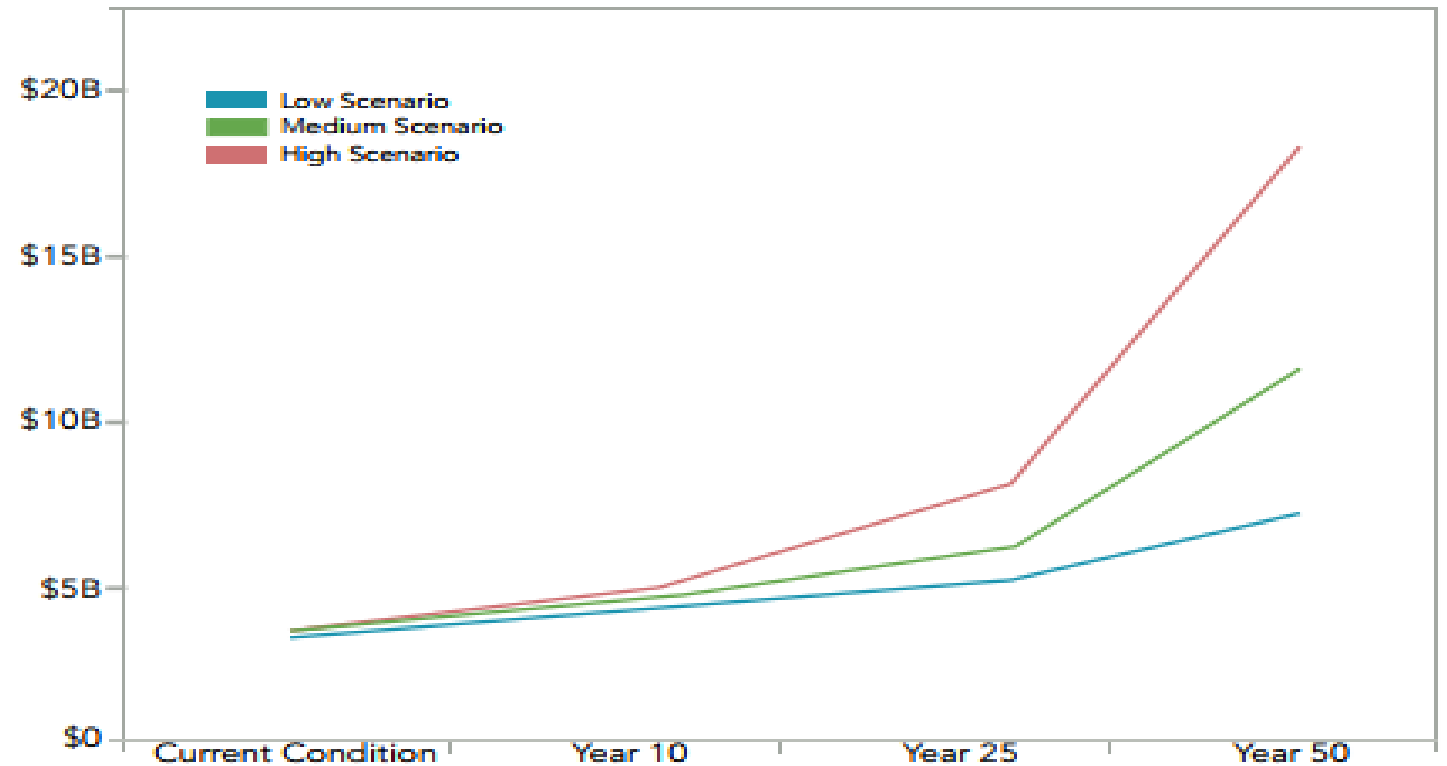
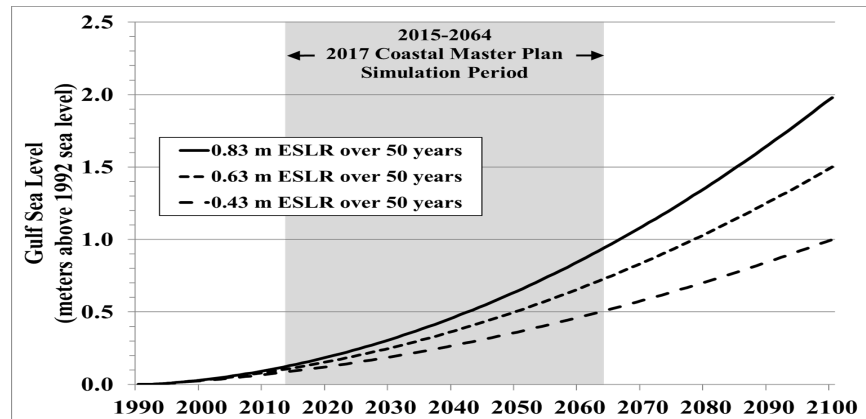


POTENTIAL LAND LOSS OVER THE NEXT 50 YEARS



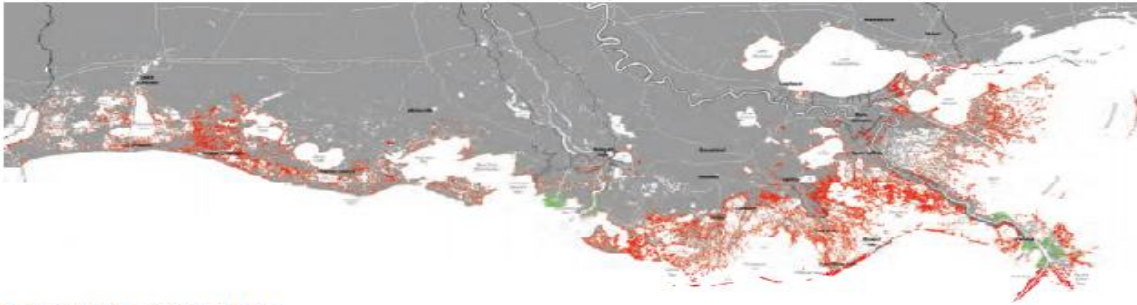
Projected Future Conditions—Expected Damages

EXPECTED ANNUAL DAMAGE FROM FLOODING OVER THE NEXT 50 YEARS

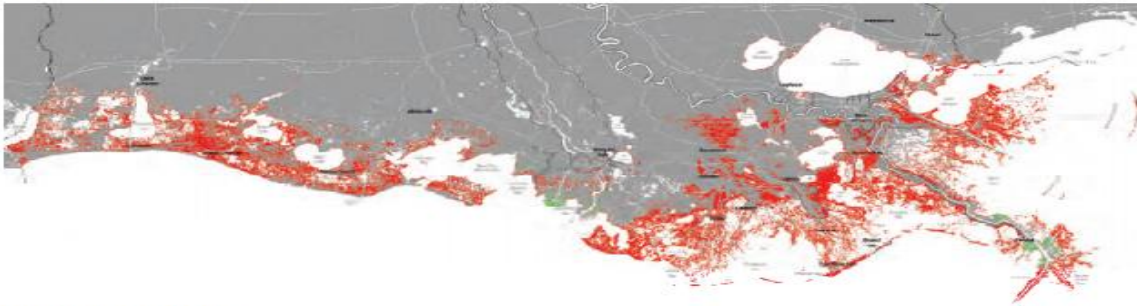


Projected Future Conditions

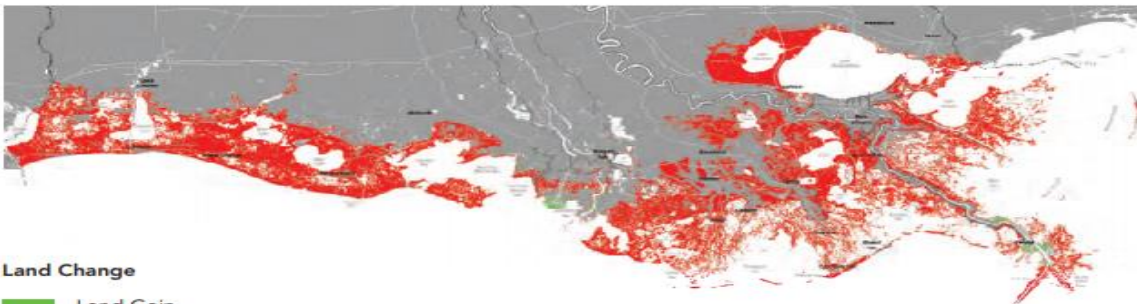
LOW SCENARIO



MEDIUM SCENARIO



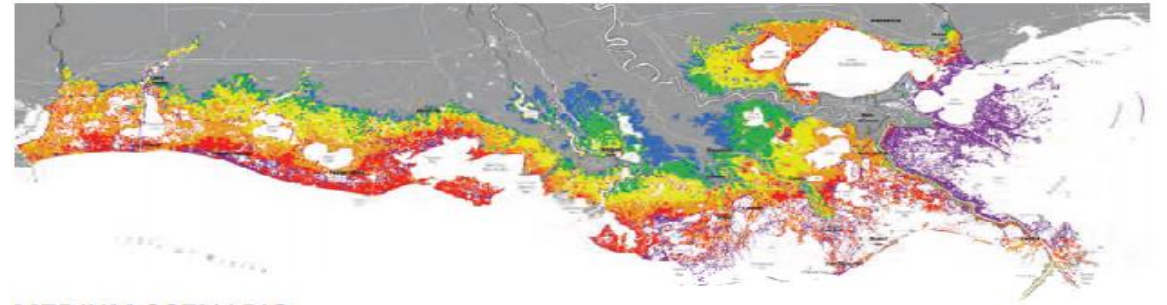
HIGH SCENARIO



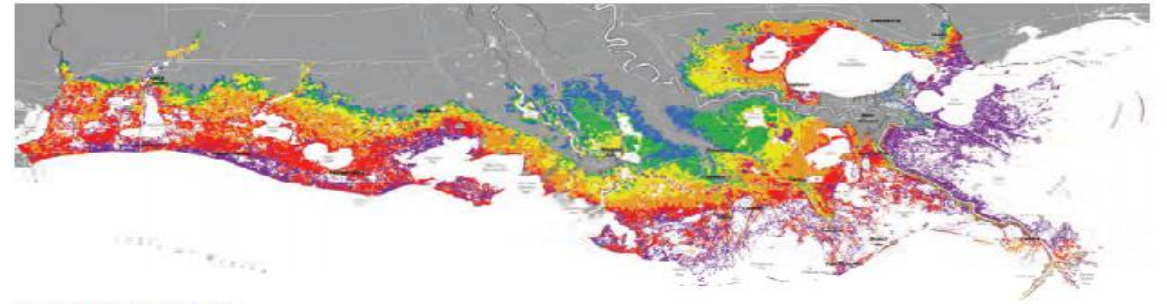
Land Change

- Land Gain
- Land Loss

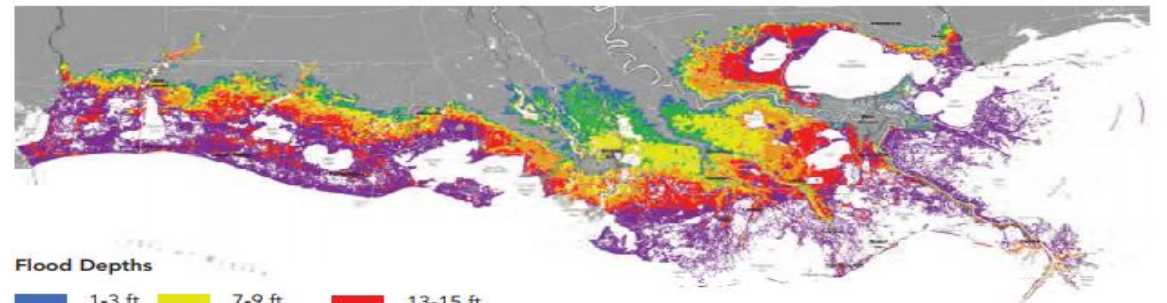
LOW SCENARIO



MEDIUM SCENARIO



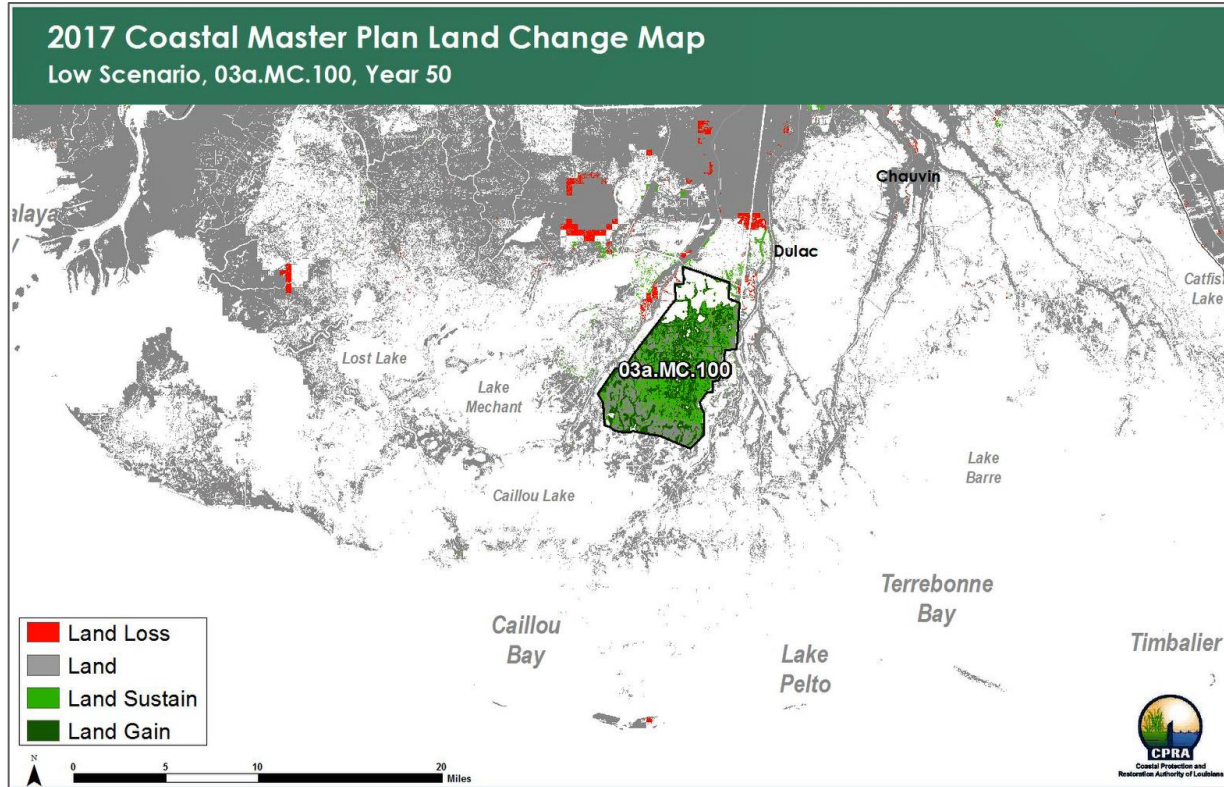
HIGH SCENARIO



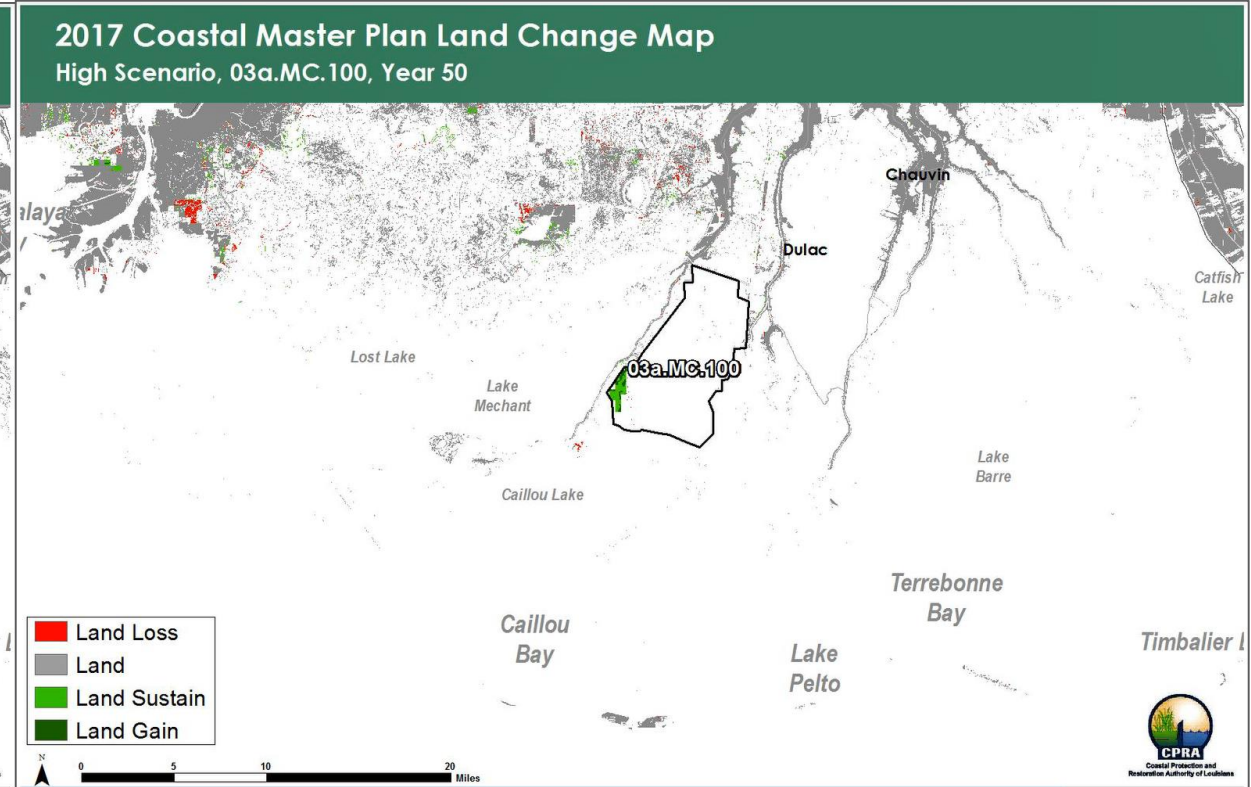
Flood Depths

- 1-3 ft
- 4-6 ft
- 7-9 ft
- 10-12 ft
- 13-15 ft
- Over 15 ft

South Terrebonne Marsh Creation



**0.43 m Gulf SLR +
Subsidence 20% Into Local Range**



**0.83 m Gulf SLR +
Subsidence 50% Into Local Range**

FOSSIL FUEL EMISSIONS – NATIONAL RANKING (2015-2016)

Rank	Absolute Emissions	Per Capita Emissions	Carbon Intensity of Economy
1	Texas	Wyoming	Wyoming
2	California	North Dakota	West Virginia
3	Florida	West Virginia	North Dakota
4	Pennsylvania	Alabama	Louisiana
5	Louisiana	Louisiana	Montana

Source: U.S. Energy Information Agency, <https://www.eia.gov/environment/emissions/state/analysis/>

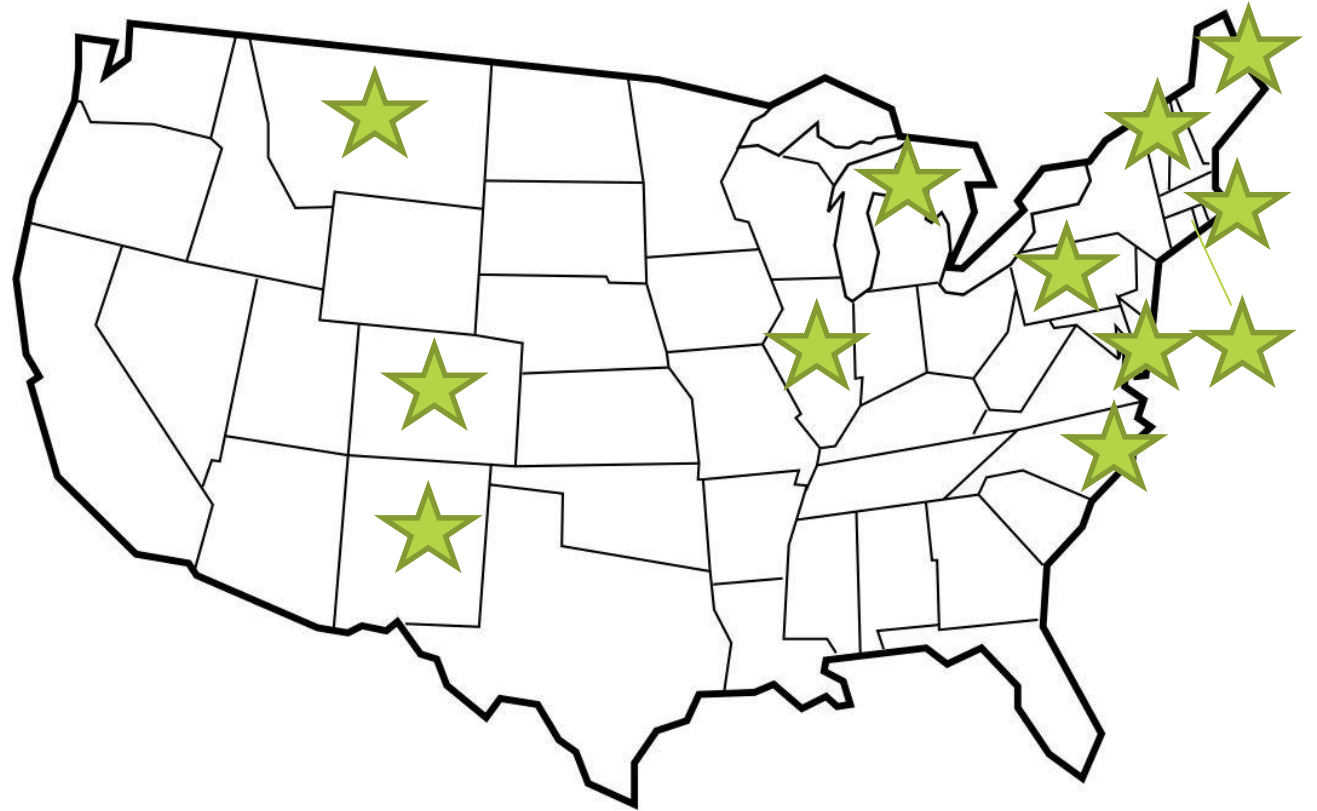
GOVERNOR'S CHARGE

LOUISIANA'S CLIMATE CHANGE INITIATIVE

- Review existing emissions data to quantify the amount of achievable emissions reduction by industry and through investments in the conservation and restoration of our coast
- Evaluate opportunities for incentives to stimulate technological advancements
- Recommend a suite of balanced policy solutions that can reduce Louisiana's greenhouse gas emissions while appreciating Louisiana's economic and energy profile

Background Research

- **26 Stakeholder Interviews**
 - Academics/Experts
 - Industry and Utilities
 - Non-profit organizations
 - State Agencies
- **State Reviews**
 - 12 states
 - Executive Orders
 - Strategy Documents



MISSION & VISION

LOUISIANA'S CLIMATE CHANGE INITIATIVE

MISSION: Reduce net greenhouse gas emissions to limit climate change impacts.

VISION: Reduce net greenhouse gas emissions to limit climate change impacts that harm our natural and cultural heritage while adapting to maintain our position as a world leader in energy, industry, agriculture, and transportation.

DELIVERABLES & TIMELINE

LOUISIANA'S CLIMATE CHANGE INITIATIVE

- Louisiana greenhouse gas inventory update (4-6 months)
- Louisiana emissions reduction strategy (12-18 months)

STRUCTURE

LOUISIANA'S CLIMATE CHANGE INITIATIVE

- Task Force
- Scientific Advisory Group
- Working Groups (by Sector)
 - Power Production, Distribution and Use
 - Land Use, Buildings, and Housing
 - Transportation
 - Agriculture, Forestry, and Waste
 - Manufacturing
 - Mining and Oil and Gas Production
 - Finance

TASK FORCE COMPOSITION

LOUISIANA'S CLIMATE CHANGE INITIATIVE

GOVERNMENT

- Relevant agencies:
 - Division of Administration
 - Department of Agriculture & Forestry
 - Coastal Protection and Restoration Authority
 - Economic Development
 - Department of Environmental Quality
 - Department of Natural Resources
 - Department of Transportation and Development
 - Public Service Commission
- President of the Louisiana State Senate
- Speaker of the Louisiana State House of Representatives

NON-GOVERNMENT

- Representatives from:
 - Business & Industry
 - Nonprofit & Advocacy
 - Academia
 - Marginalized Communities

TIMELINE

LOUISIANA'S CLIMATE CHANGE INITIATIVE

- Within 60 Days: Convene Task Force and appoint working group members.
- Within 90 Days: Convene working groups and establish individual work plans. Report quarterly to Task Force.
- Within 1 Year: Present to the Governor and Legislature a *Climate Solutions Strategy*.
- Governor's Office of Coastal Activities will provide annual updates to the Governor and legislature of Louisiana's *Climate Solutions Strategy*.



QUESTIONS



Adaptive Governance Initiative

Charles Sutcliffe

Governor's Office of Coastal Activities

June 10, 2020

INFRASTRUCTURE
DAMAGE

ENVIRONMENTAL
DAMAGE

Medium Scenario | Year 50



High Scenario | Year 50



Goals of the Adaptive Governance Initiative

- Assist agencies in understanding their **relationship to the coastal crisis** and to each other.
- Develop strategies and tools that aid in the **integration of Coastal Master Plan projections** into decision making.
- **Leverage partnerships** to maximize investment benefits.
- Establish a framework for **proactive, climate adaptive governance** for Louisiana.

Office of the Governor



Charles
Sutcliffe

Center for Planning Excellence



Camille Manning-
Broome



Jeannette
Dubinin



Joni
Emmons



Denise
Reed

2018 State Agency Workshop



STATE AGENCY EVALUATION

RESILIENT
GOVERNANCE
FRAMEWORK



AGENCY RESILIENCE
MODELS & CATALYTIC
PROJECTS



TEMPLATES TO
INSTITUTIONALIZE
RESILIENCE

RESILIENCE COORDINATOR ENGAGEMENT

Executive Order: Resilience

Coastal Resilience Executive Order

Establishing a coordinated, intentional, collaborative agency-wide effort to build resilience

- WHEREAS,** Louisiana and its citizens have suffered catastrophic losses and human, economic, and social harm as a result of coastal land and wetland loss, and the continued threat of further land loss to Louisiana's working coast threatens the viability of residential, agricultural, energy, and industry development as well as valuable fish and wildlife production in coastal Louisiana;
- WHEREAS,** Louisiana continues to experience one of the fastest rates of coastal erosion in the world, and parts of our State remain unprotected from or vulnerable to future hurricane and flood event impacts;
- WHEREAS,** our working coast is a national treasure which provides protection for infrastructure that supplies 90% of the nation's outer continental oil and gas, 20% of the nation's annual waterborne commerce, 26% (by weight) of the continental U.S. commercial fishing lands, and winter habitat for five million migratory waterfowl;
- WHEREAS,** Coastal Louisiana is also a vital regional asset which serves as residence to 2.5 million people and as a historical foundation to our unique cultural heritage;
- WHEREAS,** Louisiana's first coastal master plan, *Integrated Ecosystem Restoration and Hurricane Protection: Louisiana's Comprehensive Master Plan for a Sustainable Coast* ("Coastal Master Plan") was approved by the Coastal Protection and Restoration Authority ("CPRA") Board at its April 12, 2007, meeting and unanimously approved by the Louisiana Legislature through Senate Concurrent Resolution No. 11 during the 2007 Regular Session;
- WHEREAS,** Louisiana's second Coastal Master Plan was approved by the CPRA Board at its March 21, 2012, meeting, and the revised Coastal Master Plan was unanimously approved by the Louisiana Legislature through Senate Concurrent Resolution No. 46 during the 2012 Regular Session;
- WHEREAS,** Louisiana's third Coastal Master Plan was approved by the CPRA Board at its April 20, 2017, meeting, and the revised Coastal Master Plan was unanimously approved by the Louisiana Legislature through Senate Concurrent Resolution No. 1 during the 2017 Regular Session;
- WHEREAS,** Act 244 of the 2018 Regular Session requires the CPRA Board to develop a Coastal Master Plan, at a minimum every six years;
- WHEREAS,** the Coastal Master Plan integrates coastal protection strategies and coastal restoration strategies to provide increased flood protection for communities and to maximize the amount of land maintained or restored in coastal Louisiana;
- WHEREAS,** billions of dollars have been invested in the Coastal Master Plan and tremendous progress has been made since the 2007 Master Plan, including building or improving approximately 297 miles of levees, constructing 60 miles of barrier islands and berms, and benefiting over 41,305 acres of coastal habitat;
- WHEREAS,** the Coastal Master Plan is a \$50 billion, ~~50-year~~ plan and is a funding-constrained plan that will require new investments beyond what has currently been identified to fully implement the entire plan;

Section 1: Coordination

Section 2: Incorporate Master Plan Data

Section 3: Strategic Planning for Coastal Resilience

Section 4: Accountability

1. **Resilience Coordinators from multiple agencies (less COVID impacted)**
 - a. **Orientation**
 - b. **Interviews**
2. **Resilience Exchange (NY, NJ, VA, NC, FL) with EDF**
3. **Additional Agencies, additional resilience coordinators (outreach this week)**
4. **Assist with E.O. Execution**
 - a. **Coastal Master Plan data/projections webinar**
 - b. **Application of data activities/training**

Coastal change

COASTAL STORMS

SEA LEVEL RISE

LAND COVER CHANGE

SALINITY PENETRATION

Impact category

INFRASTRUCTURE
DAMAGE

SOCIAL
DISRUPTION

ECONOMIC
DISRUPTION

ENVIRONMENTAL
DAMAGE

Impacts to services
Impacts to assets

State agency

DOTD

LDWF

AG

DEQ

INS

DNR

GOHSEP

LED

DOA

